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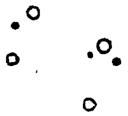
first directed to a celestial object; and, without having made any observations expressly for the purpose, I have not been made aware of any obvious error, in turning the telescope upon such objects as I have examined.

"9 *Piazza Slierna, Malta, 28th January,* 1862."

And, in a letter dated the 30th January, Mr. Lassell writes,—"The detention of the mail allows me to add a postscript to my letter of yesterday, to inform you of my having discovered, last night, a new star within the trapezium in the great Nebula of *Orion*. It is situated near *Theta*, the principal star; appears to be about a full magnitude less than that known as 'the sixth star;' and is about one sixteenth of its distance from *Theta*. Its angle of position from *Theta* is about 100° less than that of 'the sixth star;' and, consequently, points a little eastward of the star at the opposite angle of the trapezium. For verification I annex a diagram.



"I suspect that the position-angle of 'the sixth star' has considerably increased since 1852."

Results of Meridional Observations of Small Planets; Occultation of a Star by the Moon; and Phenomena of Jupiter's Satellites; observed at the Royal Observatory, Greenwich, during the months of January and February, 1862.

(*Communicated by the Astronomer Royal.*)

Metis ⑨.

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1862, Jan. 16	13 25 54·4	9 10 46·25	64 58 1·11
22	12 56 31·4	9 4 57·79	64 17 28·31
24	12 46 36·6	9 2 54·52	64 4 35·41
25	12 41 37·8	9 1 51·44	63 58 19·81
27	12 31 39·3	8 59 44·39	63 46 12·19
28	12 26 39·7	8 58 40·53	63 40 17·65
Feb. 3	11 56 40·3	8 52 15·56	63 8 28·38
7	11 36 48·6	8 48 6·80	62 50 58·54
10	11 22 2·0	8 45 7·42	62 39 54·42

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Eunomia ⑮.

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1862, Jan. 25	12 16 36·2	8 36 45·72	75 52 24·27
27	12 6 36·0	8 34 36·92	75 53 2·04
Feb. 10	10 57 31·8	8 20 33·16	75 55 8·66
18	10 19 32·5	8 14 0·05	75 56 19·34

Thalia ㉓.

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1862, Feb. 18	12 53 43·6	10 48 36·56	61 32 23·96

Calypso (53).

Mean Solar Time of Observation.		R.A. from Observation.	N.P.D. from Observation.
	h m s	h m s	° ′ ″
1862, Feb. 10	12 42 14·8	10 5 33·35	77 55 8·14

All the observations of N.P.D. have been corrected for refraction and parallax.

The disappearance of *d Geminorum*, on 1862, Jan. 14, at the Moon's dark limb was observed by Mr. Carpenter to take place at $6^{h}\,29^{m}\,58^{s}{\cdot}9$ G.M.T. The star was extremely faint.

Phenomena of Jupiter's Satellites.

Day of Observation.	Satellite.	Phenomenon.	Mean Solar Time.	Observer.
1862.			h m s	
Jan. 24	IV	Occ. reapp. last cont.	14 35 0·4	C.
28	I	Eclipse, disapp.	12 52 48·0	E.
Feb. 18	IV	Egress, first cont.	11 12 36·9	S.
,,	IV	,, last cont.	11 17 17·2	S.
,,	III	Occ. reapp. first cont.	11 53 45·2	S.
,,	III	,, last cont.	12 2 6·9	S.

Feb. 18, The image of the planet exceedingly tremulous, and sometimes faint from cloud.

The initials S., E., C., are respectively those of Mr. Stone, Mr. Ellis, and Mr. Criswick.

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